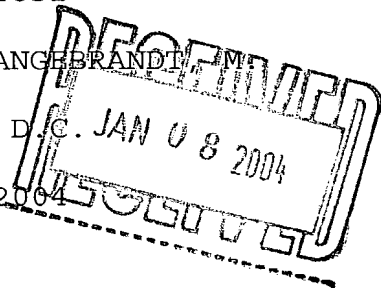




IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: MATSUI=5

| | | |
|------------------------------|---|------------------------------|
| In re Application of: |) | Confirmation No.: 8102 |
| |) | |
| Fumio MATSUI et al. |) | Art Unit: 2651 |
| |) | |
| Appln. No.: 09/928,833 |) | Examiner: ANGEBRANDT |
| |) | |
| Filed: August 14, 2001 |) | Washington, D.C. JAN 08 2004 |
| |) | |
| For: OPTICAL RECORDING MEDIA |) | January 5, 2004 |
| |) | MONDAY |
| |) | |



INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner for Patents
U.S. Patent and Trademark Office
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Crystal Plaza Two, Lobby, Room 1B03
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Technology Center 2600

Sir :

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed:

[] A. within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.

☐ B. before the mailing date of a first Office action on the merits or before the mailing of a first Office action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.

☒ C. after (A) and (B) above, but before final rejection or allowance, and Applicants have made the necessary certification (box "i" below) or paid the necessary fee (box "ii" below).

☒ i. Counsel certifies that, upon information and belief, each item of information listed herein was either

☒ (a) first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or

☐ (b) not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in §1.56(c) more than three months prior to the filing of this IDS.

2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., Form PTO/SB/08A) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

3. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

4. Other information being provided for the examiner's consideration follows:

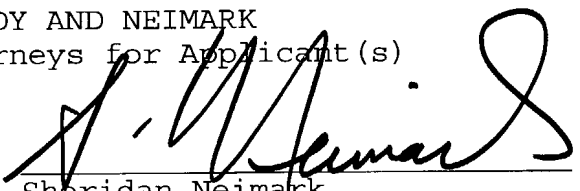
International Search Report, mailed November 3, 2003

5. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant(s) reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

BROWDY AND NEIMARK
Attorneys for Applicant(s)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

| | |
|------------------------|---------------------|
| Application Number | 09/928,833 |
| Filing Date | August 14, 2001 |
| First Named Inventor | Fumio MATSUI et al. |
| Group Art Unit | 2651 |
| Examiner Name | ANGEBRANDT, M. |
| Attorney Docket Number | MATSUI=5 |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|---|--------------------------------|--|---|
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FOREIGN PATENT DOCUMENTS

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|-----------------------|--------------------------|--|--------------------------------|---|---|----------------|
| | AQ | EP 1 130 063 A1 | September 5, 2001 | KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO | | |
| | AR | EP 1 156 084 A2 | November 21, 2001 | SAMSUNG ELECTRONICS CO., LTD | | |
| | AS | GB 2 329 751 A | March 31, 1999 | FUJI ELECTRIC CO LTD (JAPAN) | | |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T |
|-----------------------|--------------------------|--|---|
| | AT | <i>Patent Abstracts of Japan</i> ; JP 05 038878 A; entitled "Light Recording Medium"; published: February 19, 1993; applicant: NIPPON COLUMBIA CO LTD | |
| | AU | <i>Patent Abstracts of Japan</i> ; JP 10 151854 A; entitled "Optical Recording Medium"; published: June 9, 1998; applicant: MITSUI CHEM INC | |
| | AV | <i>Patent Abstracts of Japan</i> ; JP 11 034497 A; entitled "Optical Recording Medium"; published: February 9, 1999; applicant: MATSUSHITA ELECTRIC IND CO LTD; NIPPON KANKO SHIKISO KENKYUSHO | |

Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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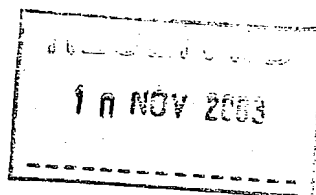
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Département à
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Division de la
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Datum/Date

03.11.03

ichen/Ref./Réf.

210092/CMH/AV/m

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

03077506.8-2124-

melder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☒ title

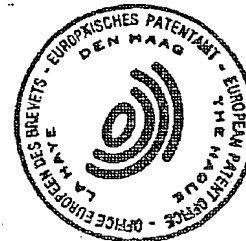
☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.7) |
|--|--|--|--|
| A | PATENT ABSTRACTS OF JAPAN vol. 017, no. 324 (M-1433), 21 June 1993 (1993-06-21) & JP 05 038878 A (NIPPON COLUMBIA CO LTD), 19 February 1993 (1993-02-19) * page 2, paragraphs 3,8 * | 1-4 | G11B7/24 C09B23/14 |
| X | PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11, 30 September 1998 (1998-09-30) & JP 10 151854 A (MITSUI CHEM INC), 9 June 1998 (1998-06-09) * page 6, paragraphs 36-38 * | 1-3 | |
| A | PATENT ABSTRACTS OF JAPAN vol. 1999, no. 05, 31 May 1999 (1999-05-31) & JP 11 034497 A (MATSUSHITA ELECTRIC IND CO LTD;NIPPON KANKO SHIKISO KENKYUSHO:KK), 9 February 1999 (1999-02-09) * abstract * | 1-4 | |
| A | GB 2 329 751 A (FUJI ELECTRIC CO LTD) 31 March 1999 (1999-03-31) * page 7, line 18 - page 11, line 2 * * page 15, line 19 - page 19, line 5; figures 5,6 * * page 31, line 13 - line 24 * * page 36, line 1 - page 37, line 9 * * claims 1-30 * | 1-4 | G11B C09B |
| E | EP 1 156 084 A (SAMSUNG ELECTRONICS CO LTD) 21 November 2001 (2001-11-21) * page 6, line 35 - page 7, line 14; example 1 * * page 13, line 25 - page 15, line 24 * * page 18, line 25-36; table 1 * | 1-3 | |
| The present search report has been drawn up for all claims | | | |
| Place of search MUNICH | | Date of completion of the search 9 October 2003 | Examiner Lindner, T |
| CATEGORY OF CITED DOCUMENTS | | | |
| X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | | |
| T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |



DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.7) |
|--|---|-------------------|--|
| E | EP 1 130 063 A (HAYASHIBARA BIOCHEM LAB) 5 September 2001 (2001-09-05) * page 2, line 50 - page 3, line 50 * * page 5, line 10 - page 22, line 25 * * page 31, line 22 - page 34, line 55 * * page 36, line 48 - page 37, line 10 * * page 41; table 1 * * page 45; examples 9,10 * ----- | 1-3 | |
| | | | TECHNICAL FIELDS SEARCHED (Int.Cl.7) |
| | | | |
| The present search report has been drawn up for all claims | | | |

Place of search

MUNICH

Date of completion of the search

9 October 2003

Examiner

Lindner, T

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
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P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 07 7506

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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09-10-2003

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
|---|---|---------------------|----------------------------|---------------|---------------------|
| JP 05038878 | A | 19-02-1993 | NONE | | |
| JP 10151854 | A | 09-06-1998 | NONE | | |
| JP 11034497 | A | 09-02-1999 | NONE | | |
| GB 2329751 | A | 31-03-1999 | JP | 3257470 B2 | 18-02-2002 |
| | | | JP | 11099746 A | 13-04-1999 |
| | | | JP | 11099747 A | 13-04-1999 |
| | | | US | 6103331 A | 15-08-2000 |
| EP 1156084 | A | 21-11-2001 | KR | 2001005735 A | 29-11-2001 |
| | | | EP | 1156084 A2 | 21-11-2001 |
| | | | JP | 2001342366 A | 14-12-2001 |
| | | | US | 2002001774 A1 | 03-01-2002 |
| EP 1130063 | A | 05-09-2001 | EP | 1130063 A1 | 05-09-2001 |
| | | | WO | 0119923 A1 | 22-03-2001 |